

A schematic diagram of a two-stage gas turbine engine, enclosed in a rounded rectangular housing. The engine consists of a compressor section (top) and a turbine section (bottom). The compressor section includes a compressor inlet (30a) on the left, a compressor (19a) with a vertical stack of blades, and a compressor outlet (15) at the top. The turbine section includes a turbine inlet (17) at the top, a turbine (13) with a vertical stack of blades, and a turbine outlet (30b) on the right. A central shaft (23) connects the compressor and turbine. A fuel inlet (7) is located at the top right. A fuel line (21a) leads from the fuel inlet to the turbine inlet. A fuel line (21b) leads from the turbine outlet to the compressor inlet. A fuel line (30) is shown at the bottom, connecting the two fuel lines. The diagram is labeled with various reference numerals: 5, 7, 13, 15, 17, 19a, 19b, 21a, 21b, 23, 30, 30a, and 30b.

Fig. 2

A block diagram showing a data path. At the top, a sequence of five rounded rectangular blocks is connected by horizontal lines. The first block on the left is labeled "Device 70". It is followed by three blocks labeled "72", "74", "76", and "78" in order. The final block on the right is labeled "Device 80". Below the "76" block is a larger, more complex block labeled "82". This block contains two vertical columns of three small rectangles each, with arrows pointing between them and the text "to/from core array". Dashed lines extend from the left and right sides of this block. Two lines connect the bottom of the "82" block to a small square block labeled "82" at the very bottom.

Fig. 3